## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/30115

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A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : B65B 1/04			
US CL: 141/392			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 141/392, 206, 207, 208, 209, 311A,192; 222/490, 494, 496			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
TO CAN TO THE CONCENTRATION TO BE DEVENOUS.			
C. DOCUMENTS CONSIDERED TO BE RELEVANT  Category * Citation of document, with indication, where appropriate, of the relevant passages Relevant to clair			Relevant to claim No.
Category *	US 5,620,032 A (DAME) 15 April 1997 (15.04.1997), entire document.		1, 2 and 11-13
	05 5,020,032 A (DAME) 15 April 1997 (15.04.1997), Online documents		
Y	8-10, 16,		8-10, 16, 17 and 22
X US 4,214,614 A (PYLE) 29 July 1980 (29.07.1980), ent		entire document.	1, 2, 5, 8 and 11-13
Y			3, 4, 6, 7, 9, 10 and 14-22
X US 5,213,236 A (BROWN et al.) 25 May 1993 (25.0		05.1993), entire document.	1-8 and 11-13
Y			9, 10 and 14-22
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Further documents are listed in the continuation of Box C. See patent family annex.			
Tattle document at a little and			emational filing date or priority
* Special categories of cited documents:		date and not in conflict with the applic	cation but cited to understand the
"A" document defining the general state of the art which is not considered to be principle or theory underlying the invention of particular relevance			
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"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		"Y" document of particular relevance; the	claimed invention connot be
		considered to involve an inventive ste	p when the document is
"O" document referring to an oral disclosure, use, exhibition or other means		combined with one or more other such documents, such combination being obvious to a person skilled in the art	
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family	
Date of the actual completion of the international search		Date of mailing of the international search report  23 FEB 2004	
16 January 2004 (16.01.2004)		26 · == 200 ·	the the
Name and mailing address of the ISA/US		Authorized officer Sharm n. Breeze for	
Mail Stop PCT, Atm: ISA/US Commissioner for Patents		Khoa D. Huynh	
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